

ABSTRACT OF DISCLOSURE

A mobile station that wirelessly transmits to a base station by DS-CDMA a signal spread by multiplying a spreading code includes a chip-pattern
5 generating unit that generates a predetermined chip pattern by performing chip repetition for a predetermined number of repetitions to a spreading chip sequence, and a multiplying unit that multiplies to a signal including the predetermined chip pattern
10 generated by the generating unit a phase specific to the mobile station.